	Application No.	Applicant(s)
	10/047 076	HYTROS ET AL.
Notice of Allowability	10/047,076 Examiner	Art Unit
	Jeffrie R. Lund	1763
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31: 1. This communication is responsive to	ears on the cover sheet with the 5 (OR REMAINS) CLOSED in this) or other appropriate communicat RIGHTS. This application is subject	e correspondence address application. If not included ion will be mailed in due course. THIS
2. The allowed claim(s) is/are <u>1-4,8-17,20-24 and 28</u> .		
3. The drawings filed on 15 January 2002 are accepted by the	ne Examiner.	
 4. ☐ Acknowledgment is made of a claim for foreign priority uner a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have. 2. ☐ Certified copies of the priority documents have. 3. ☐ Copies of the certified copies of the priority documents have. 3. ☐ Copies of the certified copies of the priority documents have. 4. ☐ Certified copies not received: ☐ ☐ Certified copies not received: ☐ ☐ ☐ Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDON'THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be subminformal pattern APPLICATION (PTO-152) which give. 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftsper 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	e been received. e been received in Application No. comments have been received in the footnotes of this communication to file a report of this application. Initted. Note the attached EXAMINITY of this application. Initted. Note the attached EXAMINITY or reason(s) why the oath or declarst be submitted. Its be submitted. Its on's Patent Drawing Review (PT) Initial of the submitted of the header according to 37 CFR 1.12 osit of BIOLOGICAL MATERIA	ply complying with the requirements ER'S AMENDMENT or NOTICE OF aration is deficient. TO-948) attached e Office action of awings in the front (not the back) of 21(d). L must be submitted. Note the
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/Paper No./Mail Date 603,202,102 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. ⊠ Interview Summa Paper No./Mail (08), 7. ⊠ Examiner's Ame	Date
		Primary Examiner Art Unit: 1763

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Keith Taboada on May 17, 2004.

The application has been amended as follows:

Claim 1 has been amended to read:

1. (currently amended) A showerhead assembly for distributing gases within a processing chamber, comprising:

a cylindrical member having an outwardly extending first flange at a first end; and a disk having a plurality of holes formed though a center region of the disk, the disk coupled to the cylindrical member at a second end in a manner that permits relative movement therebetween.;

a mounting ring coupled to the second end of the cylindrical member; and at least one clamp member coupled to the mounting ring and sandwiching the disk therebetween.

Claims 5-7 have been cancelled.

Claim 8 has been amended to read:

8. (currently amended) The showerhead assembly of claim 7 1, wherein the clamp member further comprises:

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an at least partially cylindrical body; and

a tab extending radially inward from the body.

Claim 14 has been amended to read:

14. The showerhead assembly of claim 7 1, wherein at least one of the cylindrical member, clamp member, and the clamp mounting ring is nickel.

Claims 18 and 19 have been cancelled.

Claim 20 has been amended to read:

20. (currently amended) A showerhead assembly for distributing gases within a processing chamber, comprising:

a cylindrical member having an outwardly extending flange at a first end;

a disk having a plurality of holes formed though a center region of the disk;

at least one clamp member slidably retaining the disk proximate the second end

of the cylindrical member; and

The showerhead assembly of claim 19 further comprising a mounting ring coupled to the second end of the cylindrical member, the clamp member fastened to the cylindrical member and sandwiching the disk therebetween.

Claim 22 has been amended to read:

22. (currently amended) The showerhead assembly of claim 49 20, wherein the clamp member is comprised of a plurality of segmented arcs.

Claims 25-27 have been cancelled.

2. The following is an examiner's statement of reasons for allowance: the showerhead assembly as claimed in claims 1, 20, and 28, specifically, a cylindrical

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member having an outwardly extending flange at a first end; a disk having a plurality of holes formed though a center region of the disk; at least one clamp member slidably retaining the disk proximate the second end of the cylindrical member; and a mounting ring coupled to the second end of the cylindrical member, the clamp member fastened to the cylindrical member and sandwiching the disk therebetween; and the showerhead assembly as claimed in claim 23, specifically, the structure in total were not found in or suggested by the art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrie R. Lund whose telephone number is (571) 272-1437. The examiner can normally be reached on Monday-Thursday (6:30 am-6:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Mills can be reached on (571) 272-1439. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Jeffrie R. Lund Primary Examiner Art Unit 1763

JRL 5/17/04